

Amendments to the Claims:

Listing of Claims:

1– 12. (Previously cancelled)

13. (Currently Amended) A method for preparing a porous composite of polymer sponge and ceramic body with excellent thermal insulation property, the method comprising:

an impregnation step in which the polymer sponge having a three-dimensional porous network structure with open cells is immersed in an inorganic adhesive solution, such that the polymer sponge is impregnated with the inorganic adhesive solution, the inorganic adhesive solution comprising at least one selected from the group consisting of sodium silicate, potassium silicate and lithium silicate;

a dewatering step in which the inorganic adhesive solution is partially removed from the polymer sponge impregnated with the inorganic adhesive solution so as to create pores in the open cells of the three-dimensional porous network structure at an amount selected according to a desired density of the ceramic body, wherein the pores are coated with the inorganic adhesive solution; [[and]]

a curing step in which carbon dioxide gas is introduced into the pores of the polymer sponge to cure the coated inorganic adhesive solution and form the ceramic body in the pores of the polymer sponge and to thereby form the porous composite; and

a drying step in which ~~the coated inorganic adhesive solution is dried and cured to form the ceramic body coated in the pores~~ the porous composite is dried in a drying chamber,

wherein the porous composite includes the polymer sponge and the ceramic body coated in the pores of the polymer sponge.

14. and 15. (Cancelled)

16. (Currently Amended) The method of Claim 13, wherein the inorganic adhesive solution further comprises a surfactant.

17. (Currently Amended) The method of Claim 13, wherein the inorganic adhesive solution further comprises at least one selected from the group consisting of silane coupling agents and organic adhesives.

18. (Currently Amended) The method of Claim 13, wherein the inorganic adhesive solution further comprises at least one selected from the group consisting of sodium silicofluoride and magnesium sulfate.

19. (Currently Amended) The method of Claim 13, wherein the inorganic adhesive solution further comprises a water repellant.

20. (Currently Amended) The method of Claim 13, wherein the inorganic adhesive solution further comprises at least one selected from the group consisting of aluminum hydroxide, magnesium hydroxide, antimony compounds, boric acid, borax, phosphoric acid, phosphate, phosphorus-based and halogenbased flame retardants, and thermosetting resins.

21. – 38. (Cancelled)

39. (Currently Amended) A porous composite of polymer sponge and ceramic body, ~~comprising a porous polymer sponge having a plurality of pores and a ceramic body coated in the pores of the porous polymer sponge, wherein the ceramic body is formed of at least one selected from the group consisting of silicates including sodium silicate, potassium silicate and lithium silicate, silica and alumina prepared by a method according to Claim 13.~~

40. and 41. (Cancelled)